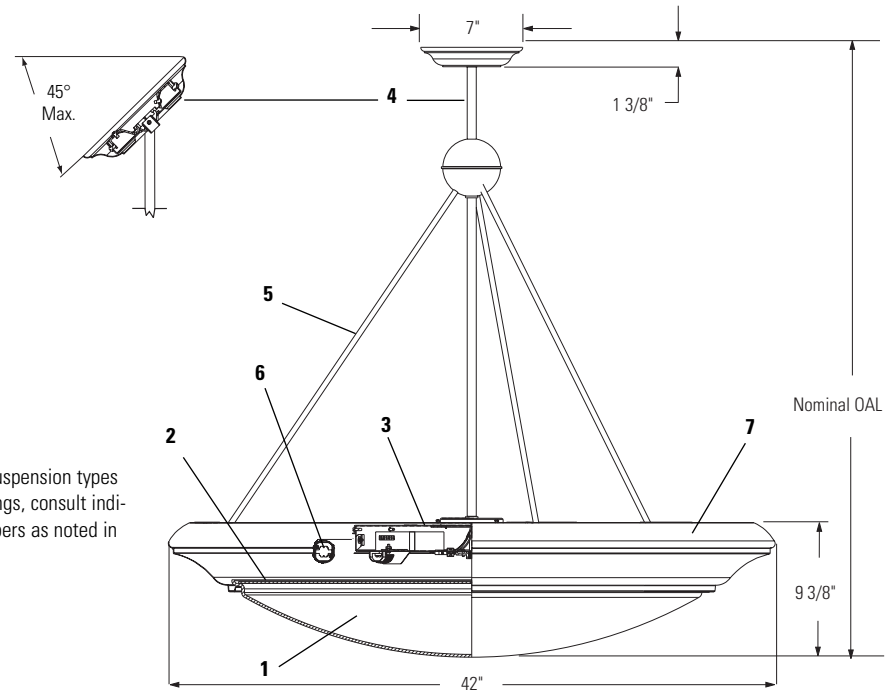

Note: Drawing illustrates only one of the suspension types available for this luminaire. For other drawings, consult individual Suspension Specification Sheet numbers as noted in Suspension chart(s) below.

Complete Luminaire Consists of Body and Suspension: Order Each Separately.

Body Cat. No.	Finish	Lamps	Options
4R42842APBU ▭ **4R42842ASBU** ▭	Polished Brass Satin Brass	8-26 Triple Tube Compact Fluorescent or 8-32 Triple Tube Compact Fluorescent or 8-42 Triple Tube Compact Fluorescent	D2 (26W, 120V only), E3 (347V), or EM **Add suffix to Cat. No.**

Single Swivel Stem		Multiple to Short Swivel Stem		3 Rods to Short Swivel		Suspension Ext. Kits	
Cat. No.	**Nominal OAL**	**Cat. No.**	**Nominal OAL**	**Cat. No.**	**Nominal OAL**	**Cat. No.**	**Nominal OAL**
Specify Finish as Suffix: PB or SB		**Specify Finish as Suffix: PB or SB**		**Specify Finish as Suffix: PB or SB**		**Specify Finish as Suffix: PB or SB**	
4SB115 ▭	18 1/4"	**4SB228** ▭	31 1/16"	**4ST442** ▭	42"	**4SXT48** ▭	48"
4SB118 ▭	19 11/16"	**4SB235** ▭	36 11/16"	See Specification Sheet 4ST428		**4SXT96** ▭	96"
4SB121 ▭	21" (close-to-ceiling)	**4SB242** ▭	42"				
4SB124 ▭	27 1/4"	See Specification sheet 4ST228					
4SB128 ▭	31 1/16"						
4SB135 ▭	36 11/16"						
4SB142 ▭	42"						
See Specification Sheet(s) 4SB115, 4SB124							

Specifications

- **Suspension Size:** For optimum performance testing recommends OAL (overall length) in proportion to the Body diameter or for close-to-ceiling proportion length (see shaded cells).OAL is defined from bottom of diffuser to ceiling plane.
- **Stem Wires:** Equipped with 120" of leads with keyed connectors for quick connection to Body wiring.

Options & Accessories

D2 = Dimming Electronic Ballast, 26 Watt, 120V, only.
Replace Body Cat No. Suffix "U" with Suffix "D2".
E3 = 347V (Canada)
Replace Body Suffix "U" with Suffix "E3".
EM = Emergency Battery Pack
Add Suffix "EM" to Body Cat. No.
Multi-Level Switching: Prewired, consult wiring diagram.
Fusing: Consult Factory
Finishes: PB = Polished Brass, **SB** = Satin Brass

Job Information Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

Lightolier a Genlyte company www.lightolier.com
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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LIGHTOLIER®

Features

1. **Diffusing Reflector:** White translucent acrylic, 3/16" thick.
2. **Inner Dirt Shield:** White translucent acrylic, 1/8" thick.
3. **Chassis:** Steel 20 gauge, semi-gloss white powder-coat finish.
4. **Suspension:** Swivel (central) stem, 5/8" steel tube. Canopy, steel, 7" Dia. fastened internally, no exposed hardware. Permits installation on ceilings with slope of up to 45°. Complies with California Code.
5. **Rods:** Reflector Bowl is suspended from a central point on three 3/16" steel rods.
6. **Lampholder:** Multi-wattage, 4-pin, will accept either GX24q-3 or GX24q-4 lamp base.
7. **Flange Trim:** Steel 20 gauge, Plated or Painted finish.

Lamping (by others)

Compact Fluorescent: Triple Tube, 26, 32, or 42 Watts.

General Electric	Osram/Sylvania	Philips
26W Triple Tube 4-Pin F26TBX/*/A/4P	(Amalgam) Compact CF26DT/E/IN/*	Fluorescent Lamp PL-T26W/*/4P
32W Triple Tube 4-Pin F32TBX/*/A/4P	(Amalgam) Compact CF32DT/E/IN/*	Fluorescent Lamp PL-T32W/*/4P
42W Triple Tube 4-Pin F42QBK/*/A/4P	(Amalgam) Compact CF42DT/E/IN/*	Fluorescent Lamp PL-T42W/*/4P

*Manufacturers' color temperature designation.

Electrical

Ballast: Electronic, 2-Lamp HPF, Class P, Programmed Start. Universal Voltage 120/277V, Multi-Wattage 26/32/42W.

8 Lamp	26 Watt		32Watt		42Watt	
Voltage	120V	277V	120V	277V	120V	277V
Total Input Watts	224	224	276	276	364	364
Max. Line Current(amps)	1.84	0.8	2.32	1.04	3.04	1.28
Power Factor	>.98	>.98	>.98	>.98	>.98	>.98
Ballast Factor	1.02	1.02	1.00	1.00	0.98	0.98

THD <10% Minimum Starting Temperature: 0°F/-18°C

Mounting

Mounts directly to 4" outlet box, using crossbar hanger, supplied.

Labels

cULus Suitable for Damp Locations.

Application Data

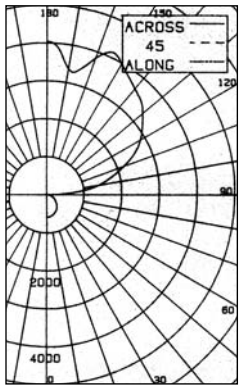
42 Inch Diameter
45' x 45' x 12' Space

Luminaire	Spacing: 15' x 15' Susp. Dist. 42"		
8 Lamps	26W TTT	32W TTT	42W TTT
Illum. (FC) Maint.	25	35	45
Lum. Ratio	11/1	11/1	12/1
Watts/ Sq. Ft.	.98	1.21	1.65

Reflectancies: 80% Ceiling, 50% Walls, 20% Floor.
Light Loss Factor = .75 (.88 BF x .85)
FC (footcandles) at 30" work plane.

CERTIFIED TEST REPORT NO. 4K42842A
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER INDIRECT/DIRECT PENDANT FIXTURE
CAT. #4K42442ASBU, 42" STANDARD DIFFUSER
8-42W T/E SYLVANIA LAMPS, LUMEN RATING = 3200 LMS.
4-ADVANCE BALLAST, #ICF-2S42-M2-LD, 120 VAC



DATE: MAR. 16, 2001
PREPARED FOR:
LIGHTOLIER, FALL RIVER, MA

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS	ANGLE	MEAN CP	LUMENS
0	551		90	152	
5	581	55	95	823	877
10	573		100	1416	
15	560	158	105	1801	1908
20	543		110	2197	
25	521	241	115	2598	2545
30	497		120	2882	
35	469	293	125	3112	2789
40	433		130	3329	
45	393	303	135	3524	2713
50	349		140	3636	
55	303	272	145	3788	2385
60	258		150	3978	
65	215	214	155	4139	1961
70	173		160	3626	
75	122	140	165	3415	993
80	93		170	3357	
85	60	99	175	3633	359
90	152		180	4032	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	493	1.93	2.72
0-40	811	3.17	4.46
0-60	1437	5.61	7.90
0-90	1929	7.53	10.60
40-90	1116	4.36	6.14
60-90	491	1.92	2.70
90-180	17843	64.70	98.00
0-180	19772	77.23	100.00

** EFFICIENCY = 77.2% **

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD
%EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

	80			70			50			30			10			
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
1	.58	.56	.53	.51	.49	.46	.38	.36	.35	.25	.25	.24	.14	.14	.13	.08
2	.51	.47	.41	.44	.41	.38	.33	.31	.28	.22	.21	.20	.12	.12	.11	.07
3	.49	.40	.36	.39	.35	.32	.29	.27	.24	.20	.18	.17	.11	.10	.10	.06
4	.39	.34	.31	.35	.30	.27	.26	.23	.21	.16	.16	.14	.10	.09	.08	.05
5	.34	.30	.26	.31	.26	.23	.23	.20	.18	.16	.14	.12	.09	.08	.07	.04
6	.31	.26	.22	.27	.23	.20	.20	.17	.15	.14	.12	.11	.08	.07	.06	.04
7	.28	.23	.19	.24	.20	.17	.18	.15	.13	.13	.11	.09	.07	.06	.05	.03
8	.25	.20	.17	.22	.18	.15	.17	.14	.11	.11	.09	.08	.06	.05	.05	.03
9	.23	.18	.14	.20	.16	.13	.15	.12	.10	.10	.08	.07	.06	.05	.04	.02
10	.20	.16	.13	.18	.14	.11	.14	.11	.09	.09	.08	.06	.05	.04	.04	.02

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

LIGHTOLIER®

Job Information Type:

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